U. S. DEPARTMENT OF AGRICULTURE

BUREAU OF PLANT INDUSTRY

FIELD NOTES

FORAGE CROP INVESTIGATIONS

FIELD NOTES.

INSTRUCTIONS.

In case of a series of row or plat tests it is desirable to have all the constant conditions recorded for future reference. This can be done on the blank pages in the front of the book for all points not covered by the topic headings. In case several sets of experiments are recorded in a single book the conditions governing each may be given by filling in the outlines provided. (See pp. 7–11.) The blank pages may be used for any additional data which seem desirable, such as the high, low, and mean temperatures, rainfall, and date of the last killing frost in the spring and of the first killing frost in the fall. At the back of the book are blank pages for convenience in making field calculations and temporary notations. Row numbers should be listed in the order that they occur in the field. Records should be made in rate per cent wherever possible and in such manner that the better the variety or strain the higher the percentage recorded. Rules given under "Explanation of headings and abbreviations used in taking field notes in forage-crop investigations" should be followed, in order that the notes on any given crop may be uniform for all the stations.

8—3728

EXPLANATION OF HEADINGS AND ABBREVIATIONS USED IN TAKING FIELD NOTES IN FORAGE-CROP INVESTIGATIONS.

SIZE OF PLAT.—Stated in fractions of an acre, as $\frac{1}{8}$, $\frac{1}{10}$, etc., or, if nursery rows, length of the row in feet.

RATE OF SEEDING.—Pounds per acre.

STAND.—Given in percentages or number of plants in the row.

DATE.—Given in figures, as 9–15 (September 15).

UNIFORMITY.—Given in percentages.

VIGOR.—Strength or abundance of growth: *p*=poor; *f*=fair; *g*=good; *ex*=excellent.

CONDITION.—If the crop is biennial or perennial, give percentages showing what portion has survived the winter.

FOLIAGE COLOR.—Indicate the shade of green as follows: *g*=green; *l g*=light green; *d g*=dark green; *y g*=yellowish green; *g g*=grayish green; *p g*=purplish green. The superlative degree of any of these colors may be indicated by placing *v* before the color abbreviations, as follows: *v l g*= very light green.

HABIT OF GROWTH.—Described by the following terms: *e*= erect; *s e*=suberect; *d*=decumbent (prostrate, tip ascending); *p*=procumbent (trailing); *v*=vining; *b*=bushy.

STEMS PER PLANT.—Average number of stems produced from one seed, as 7–8.

MEASUREMENTS.—Given in inches unless otherwise indicated.

DISEASE RESISTANCE.—Give the percentage of noninfection; best determined by estimating the percentage of infection and subtracting this from 100.

DROUGHT RESISTANCE.—Indicate the comparative vigor of plants under conditions of drought, as follows: *p*=poor; *f*=fair; *g*=good; *ex*=excellent.

LODGING.—Described as *none, little, medium, much.*

SHATTERING.—Described as *none, little, medium, much.*

QUALITY.—Indicated as follows: *p*=poor; *f*=fair; *g*=good; *ex*=excellent.

ABBREVIATIONS.

GENERAL.—*v*=very; *med*=medium; *p*=poor; *g*=good; *ex*=excellent (indicates an unusually high degree, seldom occurring); *l*=little; *m*=much; *0*=none or nothing; *lg*=long; *s*=short; *sm*=small; *lrg*=large; *ab*=abundant; *few*=few; *cs*=coarse; *sl*=slender.

COLOR.—*v*=violet; *i*=indigo; *b*=blue; *g*=green; *y*=yellow; *o*=orange; *r*=red; *pur*=purple; *pk*=pink; *l*=light (used before a color); *d*=dark (used before a color).

SHAPE.—*ov*=oval; *rd*=round; *obl*=oblong; *lin*=linear; *obo*=obovate; *cor*=cordate; *cyl*=cylindrical; *elip*=elliptical.

Test of, 19

Object

Location

Kind of soil

Character of field

Previous crop

Preparation of seed bed

1.

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Seeding method

Test of, 19

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Previous crop

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Seeding method

No.	Variety	Source
0139	Dolichos lubia	Museum of Natural History. Paris, France. April, 1906.
0147	Cuckold's Increase	Public Gardens, Jamaica. 1906.
0190	Cowpea	Santiago de las Vegas. Cuba. 1906
0218	Conch	W.A. Pickering. Telfairville, Ga.
0337	Brown eye Catjang	Picked from S.P.I. 18648
0419	Holstein	J.W. Trimble. Madison, Tenn. March. 1907
0420	Holstein	Same as 0419
0421	Holstein	Same as 0419.
0423	Sport	Same as 0419
0424	Coffee	Same as 0419
0439	Gray Crowder	
0510	V. sinensis. var. bicontorta	
0518	V. sesquipedalus	Peru
0536	Cowpea (mixture)	Italy. Nov. 1907. A. Ulrich & Co. Livorno.
0540	Whippoorwill	Blodgett. Mo. 1907.
0542	Whippoorwill	Coulterville, Ill. 1907.
0543	New Era x White.	Same as 0542
0544	Small Black Crowder	
0545	Unknown	
0546	Taylor	

Couch (17359)

Taylor

No.	Variety	Source
0547	Taylor Crowder	J. W. Trimble, Madison, Tenn. 1907
0548	Speckled Crowder	Same as 0547
0549	Speckled Crowder	Same as 0547
0550	Small Speckled Crowder	Same as 0547
0551	Black Crowder	Same as 0547
0552	Black Crowder	Same as 0547
0553	Taylor Crowder	Same as 0547
0554	Black Speckled	Same as 0547
0555	Purple Crowder	Same as 0547
0556	Light Purple	Same as 0547
0557	Light Purple Speckled	Same as 0547
0558	Purple Speckled Crowder	Same as 0547
0559	Light Speckled Crowder	Same as 0547
0560	Small dark Speckled	Same as 0547
0561	Small Purple Speckled	Same as 0547
0562	Small Purple	Same as 0547
0563	Very Small Light Speckled	Same as 0547
0564	Very Small Black	Same as 0547
0566	Medium sized Speckled Crowder	Same as 0547
0567	Purple Light Colored	Same as 0547

No.	Variety	Source
0568	Dark Purple	J.W. Trimble, Madison, Tenn.
0570	Spotted Black & clay	Milford, Va.
0571		
0574	Blackeye	Milford, Va.
0588	Black Selfseeding	Ark. Exp. Sta.
0589	Black Buttek	Same as 0588
0591	White Browneye	Same as 0588
0592	Clay Crowder	Same as 0588
0595	Brownseye	Same as 0588
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01002	Browneye Crowder	
01003	Browneye Crowder	
01004	Browneye Crowder	
01005	Blackeye	
01006	Blackeye	
01007	Blackeye	
01008	Taylor Crowder	
01009	Taylor	
01010	Taylor	
01011	Taylor	
01012	Taylor	
01013	Taylor	
01015	Groit	
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01018	Taylor	
01019	Browneye Crowder	
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01021	Whippoorwill-Eye	
01022	Whippoorwill-Eye	

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8—3728